



December 14, 2017

Attn: Ms. Claudia Smith
USEPA Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

Re: Minor Source Registration – Part 1 General Facility Information
Aurora Federal 6-28D-7-20 Well Pad

Dear Ms. Smith:

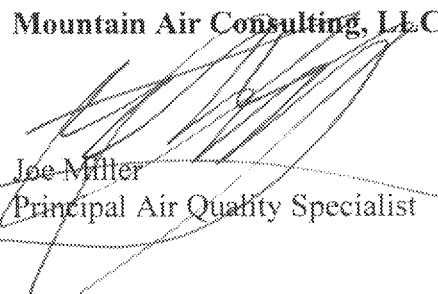
Robert L. Bayless, Producer LLC (Bayless) is proposing to construct a new oil and natural gas true minor source in Indian country. On behalf of Bayless, Mountain Air Consulting (Mountain Air) is providing a Part 1 Registration Form (EPA Form No. 5900-390) to register the facility and meet the requirements of 40 CFR §49.160(c)(1)(iv). Supporting documentation is also attached.

A Part 2 Registration Form will also be submitted within 60 days after the startup of production to meet these requirements.

If you have any questions regarding this submittal, please feel free to contact me.

Sincerely,

Mountain Air Consulting, LLC


Joe Miller
Principal Air Quality Specialist

Cc: Ute Indian Tribe



United States Environmental Protection Agency

<https://www.epa.gov/tribal-air/tribal-minor-new-source-review>

January 4, 2017

Part 1: Submit 30 Days Prior to Beginning Construction -- General Facility Information

FEDERAL IMPLEMENTATION PLAN FOR TRUE MINOR SOURCES IN INDIAN COUNTRY IN THE OIL AND NATURAL GAS PRODUCTION AND NATURAL GAS PROCESSING SEGMENTS OF THE OIL AND NATURAL GAS SECTOR

Registration for New True Minor Oil and Natural Gas Sources and Minor Modifications at Existing True Minor Oil and Natural Gas Sources

Please submit information to:

[Reviewing Authority
Address
Phone]

A. GENERAL SOURCE INFORMATION (See Instructions Below)

1. Company Name Robert L Bayless, Producer LLC		2. Source Name Aurora Federal 6-28D-7-20	
3. Type of Oil and Natural Gas Operation Oil Production		4. New Minor Source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		5. Minor Source Modification? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. NAICS Code 211111		7. SIC Code 1311	
8. U.S. Well ID(s) or API Number(s) [if applicable] 43047545110000			
9. Area of Indian Country Northern Ute	10. County Uintah, UT	11a. Latitude 40.183528°N	11b. Longitude -109.675567°W

B. CONTACT INFORMATION (See Instructions Below)

1. Owner Name Robert L Bayless, Producer LLC	Title
Mailing Address PO Box 168 Farmington, NM 87499	
Email Address Notices@rlbayless.com	
Telephone Number 505-326-2659	Facsimile Number 505-326-6911
2. Operator Name (if different from owner)	Title
Mailing Address	
Email Address	
Telephone Number	Facsimile Number
3. Source Contact John D Thomas	Title Production And Asset Manager
Mailing Address PO Box 168 Farmington, NM 87499	
Email Address jthomas@rlbayless.com	
Telephone Number 505-326-2659	Facsimile Number 505-326-6911

4. Compliance Contact John Thomas	Title Production and Asset Manager
Mailing Address PO Box 168 Farmington NM 87499	
Email Address jthomas@rlbayless.com	
Telephone Number 505-326-2659	Facsimile Number 505-326-6911

C. ATTACHMENTS

Include all of the following information as attachments to this form:

- ☒ Narrative description of the operations.
- ☒ Identification and description of all emission units and air pollution generating activities (with the exception of the exempt emissions units and activities listed in §49.153(c).
- ☒ Identification and description of any air pollution control equipment and compliance monitoring devices or activities that are expected to be used at the facility.
- ☒ Estimated operating schedules.
- ☒ If satisfying the requirements under §49.104(a)(1), documentation that another federal agency has complied with its requirements under the Endangered Species Act (ESA) and the National Historic Preservation Act (NHPA) when authorizing the activities for the facility/activity covered under this registration. The appropriate documents shall clearly show that the other federal agency had met its obligations under both the ESA and NHPA. A simple reference to a Record of Decision or other final decision document will not be acceptable. Examples of acceptable documentation would be a letter from the U.S. Fish and Wildlife Service field office (for ESA) or a historic preservation office (for NHPA) stating they agree with the assessment conducted by the other federal agency for the subject project and that the requirements of those statutes have been met. The documentation shall be submitted within the Part 1 registration.
- ☐ If satisfying the requirements under §49.104(a)(2), the letter provided by the Reviewing Authority indicating satisfactory completion of the specified screening procedures to address threatened or endangered species and historic properties. The documentation shall be submitted under the Part 1 registration. (The procedures are contained in the following document: "Procedures to Address Threatened or Endangered Species and Historic Properties for the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector," <https://www.epa.gov/tribal-air/tribal-minor-new-source-review>).
- ☐ Other.

Instructions for Part 1

Please answer all questions. If the item does not apply to the source and its operations write "n/a". If the answer is not known write "unknown".

A. General Source Information

1. Company Name: Provide the complete company name. For corporations, include divisions or subsidiary name, if any.
2. Source Name: Provide the source name. Please note that a source is a site, place, or location that may contain one or more air pollution emitting units.
3. Type of Operation: Indicate the generally accepted name for the oil and natural gas production or natural gas processing segment operation (e.g., oil and gas well site, tank battery, compressor station, natural gas processing plant).
4. New True Minor Source: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
5. True Minor Source Modification: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
6. North American Industry Classification System (NAICS): The NAICS Code for your oil and natural gas source can be found at the following link for North American Industry Classification System:
<http://www.census.gov/eos/www/naics/>.
7. Standard Industrial Classification Code (SIC Code): Although the new NAICS code has replaced the SIC codes, much of the Clean Air Act permitting processes continue to use these codes. The SIC Code for your oil and natural gas source can be found at the following link for Standard Industrial Classification Codes:
http://www.osha.gov/pls/imis/sic_manual.html.
8. U.S. Well ID or API Number: Unique well identifier as assigned by the Federal or State oil and gas regulatory agency with primacy, using the American Petroleum Institute (API) Standard for number format (pre-2014) or the Professional Petroleum Data Management (PPDM) Association US Well Number Standard (2014-present). Provide IDs for all oil and natural gas production wells associated with the facility, if applicable. May not be applicable for downstream production sources, such as compressor stations.
9. Area of Indian Country: Provide the name of the Indian reservation within which the source is operating.
10. County: Provide the County within which the source is operating.
11. Latitude & Longitude (11a. and 11b.): Provide latitude and longitude location(s) in decimal degrees, indicating the datum used in parentheses. These are GPS (global positioning system) coordinates. This information should be provided in decimal degrees with 6 digits to the right of the decimal point, indicating the datum used in parentheses (i.e., NAD 27, NAD 83, WGS 84 – WGS 84 is preferred over NAD 27).

B. Contact Information

Please provide the information requested in full.

1. Owners: List the full name (last, middle initial, first) of all owners of the source.
2. Operator: Provide the name of the operator of the source if it is different from the owner(s).
3. Source Contact: The source contact must be the local contact authorized to receive requests for data and information.
4. Compliance Contact: The compliance contact must be the local contact responsible for the source's compliance with this rule. If this is the same as the Source Contact please note this on the form.

C. Attachments

The information requested in the attachments will enable the U.S. Environmental Protection Agency (EPA) to understand the type of oil and natural gas source being registered.

Disclaimers:

The public reporting and recordkeeping burden for this collection of information is estimated to average 6 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Information in these forms submitted in compliance with the final Federal Indian Country Minor New Source Review rule may be claimed as confidential. A company may assert a claim of confidentiality for information submitted by clearly marking that information as confidential. Such information shall be treated in accordance with EPA's procedures for information claimed as confidential at 40 CFR part 2, subpart B, and will only be disclosed by the means set forth in the subpart. If no claim of confidentiality accompanies the report when it is received by EPA, it may be made public without further notice to the company (40 CFR 2.203).

C. Attachments

Narrative description of the operations

The Aurora Federal 6-28D-7-20 well site pad will be an Oil Production Facility and is planned to initially accommodate one producing oil well. The well will produce oil, water and natural gas which will be piped from the well through a three phase separator. Separated liquids will be piped to storage tanks and associated gas will be sold via pipeline. The oil from the storage tanks will be sold via truck loadout. Engineered flares control storage tank emissions (water and oil) and treater gas when the pipeline is unavailable.

Identification and description of all emission units and air pollution generating activities (with the exception of the exempt emissions units and activities listed in §49.153(c))

<u>Emission Units</u>	<u>Emissions Source Description</u>
Production Tanks	(2) 400 bbl Oil Storage Tanks
	(1) 400 bbl Produced Water Storage Tank
Truck loadout	Loadout for storage tanks
Heater Treater Burner	(1) 500,000 Btu/hr heater treater
Well Flaring	Associate Gas Flaring During Periods of Pipeline Downtime
Tank Heaters	(3) 500,000 Btu/hr tank heaters
Fugitives	Fugitive Equipment Leaks

Identification and description of any air pollution control equipment and compliance monitoring devices or activities

Air Pollution Control Equipment-

Engineered Dual-Tip flare will be used to control emissions from the oil and water storage tanks, and treater gas when pipeline is unavailable. Flares are capable of 98% DRE.

Compliance Monitoring Devices or Activities-

Audio, visual & olfactory (AVO) inspection will be conducted monthly

Low Pressure vent line pressure s will be monitored by field operators via gauge. LDAR inspections will be conducted in compliance with OOOOa leak detection requirements.

Estimated operating schedules

The Oil Production Facility will operate 8,760 hours per year.

Documentation that another federal agency has complied with its requirements under the Endangered Species Act (ESA) and the National Historic Preservation Act (NHPA) when authorizing the activities for the facility/activity covered under this registration (satisfying the requirements under §49.104(a)(1))

1. August 9, 2011 Memorandum: U.S. Fish and Wildlife Services to Bureau of Land Management (BLM), Vernal, Utah
2. July 1, 2014 letter: BLM to Utah Division of State History (RE: U-14-MQ-0409, p U-14-MQ-0541p and U-14-MQ-0545p)
3. July 9, 2014 letter: Utah Division of State History to BLM (RE: U-14-MQ-0541p)



United States Department of the Interior
FISH AND WILDLIFE SERVICE

UTAH FIELD OFFICE
2369 WEST ORTON CIRCLE, SUITE 50
WEST VALLEY CITY, UTAH 84119

August 9, 2011

RECEIVED

AUG 11 2011

In Reply Refer To
FWS/R6
ES/UT
06-F-0215-R001

BLM, Vernal Utah

Memorandum

To: Michael G. Stiewig, Field Office Manager, Vernal Field Office, Bureau of Land Management, Vernal, Utah

From: Utah Field Supervisor, Ecological Services, U.S. Fish and Wildlife Service, West Valley City, Utah

Subject: Conclusion of Reinitiation of Section 7 Consultation for Water Depletion in the Upper Colorado River Basin on Bureau of Land Management land administered by the Vernal Field Office Biological Assessment

In accordance with section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.), and the Interagency Cooperation Regulations (50 CFR 402), this transmits the Fish and Wildlife Service's (Service's) final biological opinion for impacts to federally listed endangered species and designated critical habitat for small water depletions (100 acre-feet or less) associated with oil and gas development projects administered or permitted by the Bureau of Land Management's (BLM) Vernal Field Office (VFO). Reference is made to your correspondence received in our office on June 7, 2011, requesting reinitiation of formal consultation for the subject project. A complete administrative record of this consultation is on file at this office. The original biological opinion was signed July 28, 2006 and required reevaluation of water usage and reinitiation of formal section 7 consultation after a period of five years.

This consultation only addresses the effects of water depletions on the endangered Colorado River fishes and does not include other direct or indirect impacts to the four listed fish species. Any projects that involve potential water quality or habitat impacts are not covered under this programmatic biological opinion. A separate section 7 consultation will be required for any such project. Effects to other threatened, endangered, or proposed species in association with mineral activities will also be addressed through separate consultations.

As indicated in the Biological Assessment, the purpose of future oil and gas developments is to explore for economically recoverable deposits of petroleum and/or natural gas to produce those resources for delivery to market. These activities typically require various amounts of water. Oil and gas developments could occur anywhere within the Vernal Field Office outside of existing field development areas not previously consulted on for water depletion to the Upper Colorado River Basin. Drilling and completion for each of the proposed wells would require approximately 3 to 4 acre feet (af) of water. Based on analysis from the last five years of oil and gas development in the Uinta Basin, the estimated annual water depletion will be 333 af per year. Water will be obtained from various water sources that are permitted through the Utah Division of Water Rights. Water withdrawals associated with these developments are considered to be a new depletion to the Upper Colorado River Basin.

Endangered Colorado River Fishes

As you are aware, water depletions from the Upper Colorado River Basin are likely to adversely affect the federally endangered Colorado pikeminnow (*Ptychocheilus lucius*), humpback chub (*Gila cypha*), bonytail (*Gila elegans*), and razorback sucker (*Xyrauchen texanus*) and their designated critical habitat through multiple ecological stressors, such as habitat loss, competition from non-native fish, and degraded water quality. Because water depletions from the Upper Colorado River Basin are a major factor in the decline of the endangered fishes, we have historically determined that any depletion will jeopardize their continued existence and will likely contribute to the destruction or adverse modification of their critical habitat (USDI, Fish and Wildlife Service, Region 6 Memorandum, dated July 8, 1997).

To address the ecological effects from depletions and aid in the recovery of the four species, the Department of the Interior, the states of Wyoming, Colorado, and Utah, and the Western Area Power Administration established the Upper Colorado River Endangered Fish Recovery Program (UCRRP) in 1988. In order to further define and clarify the ESA regulatory and recovery process for Colorado River fishes, the UCRRP participants implemented a section 7 agreement (Agreement) on October 15, 1993. This Agreement established the UCRRP and its activities as the Reasonable and Prudent Alternative (RPA) to avoid jeopardy for the endangered fishes from impacts caused by depletions from the Upper Colorado River Basin. Incorporated into this Agreement is a plan of action (Recovery Implementation Program Recovery Action Plan or RIPRAP) which identifies activities required to recover the endangered fishes that will be carried out by UCRRP participants. Also incorporated into the Agreement is the requirement of a financial contribution to the UCRRP (also known as a depletion fee) that would help fund recovery activities.

After many years of successful implementation of the UCRRP, the Agreement, and the RIPRAP, federal action agencies now anticipate UCRRP activities and payment of the depletion fee to serve as the RPA, avoiding jeopardy to the four listed species. Thus, the RPA has essentially become part of a proposed action. Because we now consider it part

of a proposed action, the depletion fee and UCRRP activities will now serve as conservation measures that minimize adverse effects to listed species or critical habitat. Therefore, we no longer consider small depletions to jeopardize the continued existence of these species, but rather believe that small depletions may affect and are likely to adversely affect the species.

As mentioned above, included in the UCRRP was the requirement that a depletion fee would be paid to help support the UCRRP. On July 8, 1997, we issued an intra-Service biological opinion determining that the depletion fee for average annual depletions of 100 af or less is no longer required. Because the UCRRP has made sufficient progress to become the RPA to avoid jeopardy to the endangered fishes and to avoid destruction or adverse modification of their critical habitat, depletions of 100 af/yr or less are now exempt from the depletion fee. The water depletion for future developments is estimated to be 1,665 af or 333 af/yr, on average. The previous consultation in which the BLM paid a depletion fee estimated a water need of 1,725 af/yr. Based on the most recent information dated April 18, 2011, the BLM has only used an average of 221 af/yr over the past five years with a peak usage of 333af/yr. Therefore, the depletion fee for developments covered under this biological opinion is waived.

Water may be extracted directly out of the Green and White Rivers, which contains critical habitat for the four endangered Colorado River fish. Endangered larval fish are very small (<0.5 inches total length) and incapable of directed swimming from the time of hatching through the first 2-4 wks of their life. Depending on the water year, larval fish may be present in the Green, Colorado, Gunnison, and Yampa Rivers from as early as April 1 to as late as August 31 (earlier in dry years; later in wet years). Young of the year endangered fish are the most susceptible to entrainment. The VFO has committed to implement the following measures to minimize direct impacts to federally listed species from pumping water directly out of the Green and White Rivers:

1. The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a Service approved location is best.
2. If the pump head is located in the river channel the following stipulations apply:
 - a. do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes.
 - b. limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (see above).
 - c. limit the amount of pumping, to the greatest extent possible, during the midnight hours (10pm to 2 am), as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
3. Screen all pump intakes with 3/32" mesh material.
4. Approach velocities for intake structures will follow the National Marine Fisheries Service's document "Fish Screening Criteria for Anadromous Salmonids". For projects with an in-stream intake that operate in stream reaches

where larval fish may be present, the approach velocity will not exceed 0.33 feet per second (ft/s).

5. Report any fish impinged on the intake screen or entrained into irrigation canals to our office (801.975.3330) or the Utah Division of Wildlife Resources:

Northeastern Region

152 East 100 North, Vernal, UT 84078

Phone: (435) 781-9453

Reporting Requirements

The implementing regulations for incidental take require that Federal agencies must report the progress of the action and its impact on the species (50 CFR 402.14(i)). To meet this mandate, BLM will monitor and report the progress of their action as follows:

1. Report any fish impinged on the intake screen to the our office and the Utah Division of Wildlife Resources:
Northeastern Region
152 E 100 N, Vernal, UT 84078
Phone: 435-781-9453

The address for the Utah Fish and Wildlife Service Field Office is:

2369 West Orton Circle, Suite 50

West Valley City, Utah 84119

Phone: 801-975-3330

2. The BLM is required to submit to our office an annual report of water depletions associated with oil and gas development, including the following information:
 - Project name and/or applicant name
 - Permit number and/or special use authorization
 - General location and legal description
 - Depletion amount in acre-feet
 - Timing of depletion
 - Identify if new or historic depletion¹
 - Sub-total water depletion (acre-feet) for each applicant
 - Total depletion for the entire year in acre-feet
 - Total number of APDs approved
 - Total number of wells spudded

Reports are due to our office on a yearly basis by October 31.

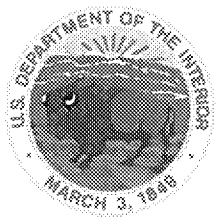
¹ It is important to include information on whether each depletion is new or historic (occurring prior to January 1988), because we address new and historic depletions differently under the section 7 agreement of March 11, 1993. Historic depletions, regardless of size, do not pay a depletion fee.

Conclusion

We concur that the proposed project "may effect, and is likely to adversely affect" the four federally endangered fishes of the Upper Colorado River Basin. However, we believe the Recovery Program will adequately address effects to the species.

We appreciate your commitment in the conservation of endangered species. If the project changes or it is later determined that the project affects listed species differently than identified above; it may become necessary to reinitiate Section 7 consultation. If you require further assistance or have any questions, please contact Scott Ackerman, at (435) 781-4437.

A handwritten signature in black ink, appearing to read "L. P. Hunt". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

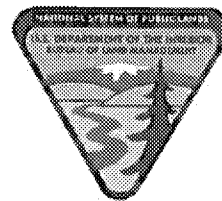


United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>



JUL 1 2014

In Reply Refer To:
3160 (UTG011)

Lori Hunsaker
Deputy State Historic Preservation Officer
Utah Division of State History
300 Rio Grande
Salt Lake City, UT 84101

RE: U-14-MQ-0409bp, U-14-MQ-0541p and U-14-MQ-0545bp

Dear Ms. Hunsaker:

Enclosed for your review and comment are three inventory reports submitted by Montgomery Archaeological Consultants, Inc. (MOAC) on behalf of Bill Barrett Corporation. Report specific details are provided below.

U-14-MQ-0409bp

The report titled *Cultural Resource Inventory of Bill Barrett Corporation's Proposed Well Location Aurora Federal 13-26D-7-20 with Access, Pipeline, and Power Line Routes (T7S, R20E, Section 26), Uintah County, Utah* is an intensive inventory of .3 acres of Bureau of Land Management (BLM) property and 12.1 acres of private property.

Fieldwork for this survey was conducted June 9, 2014 and resulted in the identification of no new cultural resources. No previously documented sites were revisited and no IMACS updates are included.

Based on the results of the inventory, the BLM has made a determination of "No Historic Properties Affected" 36 CFR 800.4 (d)(1) for the proposed undertaking.

U-14-MQ-0541p

The report titled *Cultural Resource Inventory of Bill Barrett Corporation's Proposed Well Locations Aurora Federal 6-28D-7-20 and Aurora Federal 13-28D-7-20 & 12-28D-7-20 with Access, Pipeline, and Power Line Routes (T7S, R20E, Sections 28 and 29) Uintah County, Utah* is an intensive inventory of 42.2 acres of private property.

Fieldwork for this survey was conducted June 12 and 13, 2014 and resulted in the identification of no new cultural resources. No previously documented sites were revisited and no IMACS updates are included.

Based on the results of the inventory, the BLM has made a determination of "No Historic Properties Affected" 36 CFR 800.4 (d)(1) for the proposed undertaking.

U-14-MQ-0545bp

The report titled *Cultural Resource Inventory of Bill Barrett Corporation's Proposed Aurora Federal 14-18D-7-20 & 15-18D-7-20; Aurora Federal 5-22D-7-20; and Aurora Federal 6-26D-7-20 Well Locations with Access, Pipeline, and Power Line Routes, Uintah County, Utah (T7S, R20E, Sec. 18, 19, 22, and 26)* is an intensive inventory of .7 acres of BLM property and 31.9 acres of private property.

Fieldwork for this survey was conducted June 16, 2014 and resulted in the identification of no new cultural resources. No previously documented sites were revisited and no IMACS updates are included.

Based on the results of the inventory, the BLM has made a determination of "No Historic Properties Affected" 36 CFR 800.4 (d)(1) for the proposed undertaking.

We respectfully request your comments on our effect and determination for these projects. If you have any questions, please contact Erin Goslin, Archaeologist at (435) 781-4476 or egoslin@blm.gov.

Sincerely,



Michelle Brown
Assistant Field Manager
Renewable Resources

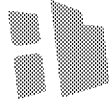
Enclosure: U-14-MQ-0409bp, U-14-MQ-0541p and U-14-MQ-0545bp



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Julie Fisher
*Executive Director
Department of
Heritage & Arts*



Utah Division of
State History

Brad Westwood
Director

RECEIVED
JUL 14 2014
BLM VERNAL, UTAH

July 9, 2014

Michelle Brown
Assistant Field Manager
Renewable Resources
Green River District - Vernal Field Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

RE: U-14-MQ-0541p

For future correspondence, please reference Case No. 14-0794

Dear Ms. Brown:

The Utah State Historic Preservation Office received your request for our comment on the above-referenced undertaking on July 3, 2014. From the information you provided, it appears that no cultural resources were located in the undertaking's Area of Potential Effects. We concur with your determination of No Historic Properties Affected, §36CFR800.4(d)(1) for the undertaking.

This letter serves as our comment on the determinations you have made, within the consultation process specified in §36CFR800.4. If you have questions, please contact me at 801-245-7263 or Lori Hunsaker at 801-245-7241 lhunsaker@utah.gov.

Sincerely,

Chris Merritt, Ph.D.
Senior Preservation Specialist
cmerritt@utah.gov